

ABSTRACT

A self guiding cover assembly for a vacuum electron device (VED) enclosure has a cover, a pair of guide plates, and a pair of guide elements. The cover has a top, a sidewall, an inside and an outside, and at least one electrical connector disposed on the inside of the cover for mating with an electrical connector on a VED. The pair of guide plates is disposed on opposite sides of the outside of the sidewall of the cover. The guide plates each have a track. ~~The pair of guide elements is mounted on opposite sides of the outside of the sidewall~~ are mounted on the enclosure on opposite sides of the cover. The pair of guide elements each mates with the track to guide the cover as it is lifted from the enclosure. The cover further comprises a breach lock mechanism for seating the VED into the VED enclosure having the cover and a base. The breach lock mechanism has guide elements mounted on the cover. A sleeve is mounted on the base and removably receives the cover with the VED. The sleeve rotates about the cover. The sleeve has tracks for mating with the guide elements. A rotation of the sleeve pulls the top into the base for seating the VED.